

Solitude XD

Solitude XD 8x42 Binoculars (SM12104)

Solitude XD 10x42 Binoculars (SM12105)



Product Description

The Sightmark Solitude XD binoculars deliver superior clarity, durability, and low-light performance for serious hunters. Featuring premium XD glass and fully multi-coated lenses, they offer razor-sharp images with over 85% light transmission, ensuring crisp visibility at dawn and dusk. A wide field of view makes tracking game effortless, while the resettable diopter zero and large central focus dial provide fast, precise adjustments. Built for the toughest conditions, these IPX7 waterproof, nitrogen-purged binoculars resist fog and moisture while maintaining a lightweight, ergonomic design for all-day comfort, enabling its users to see farther and hunt smarter.

Naming Specifics

Family Name	Magnification	Objective Lens Size
Solitude XD	8 x 42 mm	
	XD 10 x 42 mm	
	Glass Type	



Use Case

**Hunting, Nature Observation
& Outdoor Exploration**

Big-Game Hunters

- XD glass and dielectric prisms show subtle movement and color contrast
- Wide field of view for scanning ridgelines, valleys, and open country
- Fine focus control sharpens detail through brush and uneven terrain
- Ideal for dawn and dusk glassing when animals are most active

Backcountry & Mountain Hunters

- Lightweight 24 oz magnesium-alloy body minimizes fatigue on long treks
- Rugged build suited for steep climbs and multi-day hunts
- IPX7 waterproof and nitrogen-purged for rain, fog, and river crossings
- Built for harsh terrain where failure isn't an option

Wildlife Observers & Outdoor Professionals

- Crisp, bright optics for tracking, scouting, and field monitoring
- Reliable performance for population surveys or habitat study
- Clear, fatigue-free viewing during long observation sessions
- Ideal for anyone who treats glassing as a skill—not a hobby

Advantages

- **Premium XD (Extra-Low Dispersion) Glass**
Reduces chromatic aberration for sharper, truer color reproduction and enhanced detail recognition.
- **Phase Correction & Dielectric Prism Coating**
Maximizes brightness and contrast with over 85% light transmission, giving reliable clarity in low-light environments.
- **Wide Field of View**
Makes scanning and tracking fast-moving game effortless, ideal for both open plains and dense woodland.
- **Resettable Diopter Zero**
Customizes focus to individual eyes and allows quick return to your personal setting for consistent clarity.
- **Large Central Focus Dial**
Enables smooth, precise focusing even with gloves on, critical for rapid target acquisition.
- **Lightweight, Ergonomic Design (24 oz)**
Built for all-day comfort without compromising strength or optical performance.

SOLITUDE XD Binoculars

SPECIFICATIONS & FEATURES

SPECIFICATIONS	SM12104 Solitude XD 8x42	SM12105 Solitude XD 10x42
Magnification (x)	8	10
Objective Lens Diameter (mm)	42	42
Type of Prism (type)	Bak4 Roof Prism	Bak4 Roof Prism
Prism Coating (yes/no)	Yes	Yes
Prism Coatings	Phase Correction & Dielectric Coating	Phase Correction & Dielectric Coating
Lens Type	XD	XD
Lens Coating	FMC	FMC
Focus System (Cent./Ind./Fix)	Center	Center
Focusing Lens (Eye./Obj./Int.)	Internal	Internal
Exit Pupil Diameter (mm)	5.25	4.2
Eye Relief (in/mm)	0.7/18	0.6/15
Field of View (degrees)	8	6.5
Field of View (ft@1,000yds)	420	338
Field of View (m@1,000m)	140	113
Close Focus Distance (ft/m)	6.6 / 2	6.6 / 2
Light Transmission	> 85%	> 85%
Twilight Index	18.3	20.5
Resolution	4.85"	4.85"
Diopter Range	+/- 3	+/- 3
Interpupillary Distance (in/mm)	2.2-2.9 / 57-73	2.2-2.9 / 57-73
Nitrogen Purged(yes/no)	Yes	Yes
IP Standard (water rating)	IPX7	IPX7
Eyecup System (type)	Twist Extension	Twist Extension
Body Material	Magnesium Alloy	Magnesium Alloy
Operation Temperature (°F/°C)	14° to 131°F / -10° to 55°C	14° to 131°F / -10° to 55°C
Dimensions (in/mm)	5.5 x 5 x 2 / 141 x 128 x 52	5.5 x 5 x 2 / 141 x 128 x 52
Weight (oz/g)	24 / 682	23.5 / 668

ACCESSORIES



FEATURES

- PHASE CORRECTION & DIELECTRIC PRISM COATING
- >85% LIGHT TRANSMISSION
- RESETTABLE DIOPTER ZERO
- EXTRA-LOW DISPERSION (XD) GLASS
- FULLY MULTI-COATED (FMC) LENSES
- BAK4 ROOF PRISMS
- DURABLE MAGNESIUM ALLOY BODY
- IPX7 WATERPROOF & NITROGEN-PURGED
- TWIST-UP EYECUPS & 15MM EYE RELIEF